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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/576,793	11/06/2006	Laurent-Yves Grand	1200.750	5852
	7590 09/03/200 VHITE & STAVISH	EXAMINER		
6550 rOCK Spring Drive			COLEMAN, KEITH A	
Ste., 240 Bethesda, MD 20817			ART UNIT	PAPER NUMBER
			3747	
			MAIL DATE	DELIVERY MODE
			09/03/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/576,793	GRAND ET AL.
Office Action Summary	Examiner	Art Unit
	KEITH COLEMAN	3747
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING DESTRICTION - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be time to the second will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. mely filed I the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 12 A This action is FINAL . 2b) ☑ This 3) ☐ Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 1-9 is/are pending in the application. 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-9 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	awn from consideration.	
9)☐ The specification is objected to by the Examin	er	
10) The drawing(s) filed on is/are: a) acceptant may not request that any objection to the Replacement drawing sheet(s) including the correct and the oath or declaration is objected to by the E	cepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat* * See the attached detailed Office action for a list.	nts have been received. nts have been received in Applicat prity documents have been receiv au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Young et al. (US Patent No. 4,528,470).

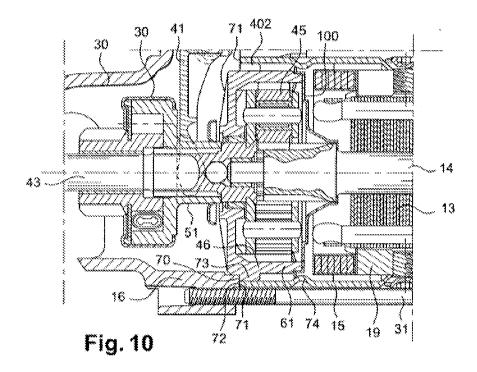
With regards to claim 1, the patent to Young et al. discloses an electric motor (11, Col. 2, Line 44) having a cylindrical housing (appears to be cylindrical in Figures 1 through 6) supporting the stator (12, Col. 2, Line 44, See Figure 1) and a rotor (13, Col. 2, Line 44, See Figure 1) coupled to an output shaft (14, Col. 2, Line 45) for the rotational driving of a starter head (21,22, Col. 2, Lines 55-65) with the interposing of an epicyclic gearbox (16, Col. 2, Line 46), the said gearbox comprising: a ring gear (19, Col. 2, Line 53, See Figures 1 and 2) having an internally toothed cylindrical annular skirt (inner teeth of gear 19, See Figure 3), and a radial flange provided with a hole (26, See Col. 3, Lines 15-18, the member inherently has a hole, See Figure 3), and a support non-rotatably coupled to the housing (See Figure 1) in an unmovable manner as to define a connection interface (See Figure 1), wherein the ring gear (19) of the gearbox (16) has a first abutment face (16 is abut to 19, See Figure 1) situated in the same plane as the connection interface between the support (18) and the

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housing (See Figure 1). As to the same plane, the ring gear 19 touched the same inner surface of gear box housing as support (See Figures 1 and 2)

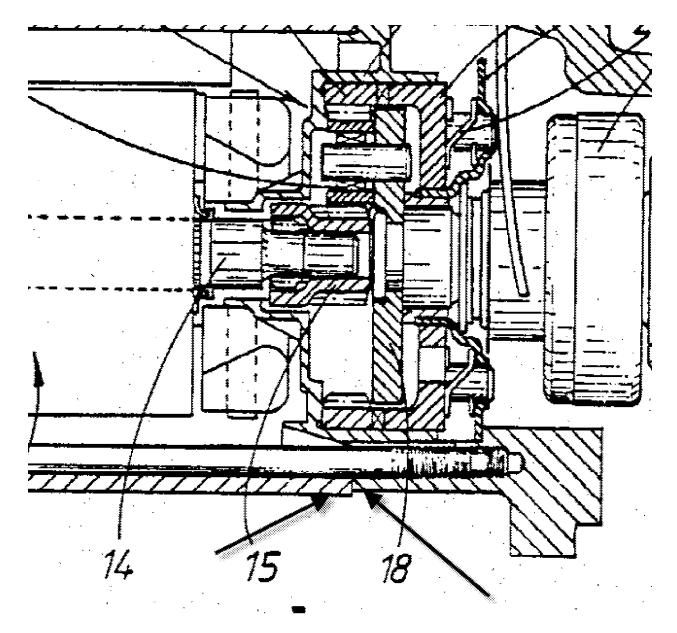
As to the new limitation of "wherein the support (16) and the housing (15) having, respectively, second abutment face (71) and third abutment face (72) defining a connection interface", Young clearly shows Applicant claimed limitations in Figure 1. Applicant is reminded to See MPEP 2125.

Applicant's abutment faces (71 and 72) shown in Figure 10.



Young et al. abutment faces shown in Figure 1.

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With regards to claim 2, the patent to Young et al. discloses that the connection interface is delimited between a second abutment face (between 17 and 18) of the support (18) in axial abutment against a third abutment face (between 17 and 15) of the housing (16, See Figures 1 and 2).

With regards to claim 3, the patent to Young et al. discloses that the ring gear (19) comprises a collar (25) equipped with the first abutment face (between 25 and 27) coming into contact with the support (18, via 19 to 18).

With regards to claim 4, the patent to Young et al. discloses that the collar (25) projects from the skirt (See Figure 3) of the ring gear (19) in order to provide the centering of the housing (16) and ring gear (19) on the support (18, See Figures 1 and 2).

With regards to claim 5, the patent to Young et al. discloses that the ring gear (19) of the gearbox (16) is locked in axial translation by the said collar (25) and by a stop protrusion (via the inner wall of 16) on the housing (16, See Figures 1 and 2).

With regards to claim 6, the patent to Young et al. discloses that the centering collar (25) is molded directly with the ring gear (19, See Figure 3). Since molded is defined as "To fit closely by following the contours of." collar 25 is fitted directly with the ring gear 19.

With regards to claim 7, the patent to Young et al. discloses a starter head (21) provided with a driver (23), a control lever (the lever near label 24 that extends through housing 11 to driver 23 in Figure 1) in engagement with the driver (23) and a support (16, the frame of 16 extends to touch the lever mentioned) receiving a control lever (the

lever is abut to frame 16, See Figure 1), and in that the ring gear (19) of the gearbox (16) comprises an extension (the extension that touches the lever arm) conformed so as to fulfill a function of articulation of the control lever (the abutment appears to act as a pivoting point for the lever, See Figure 1).

With regards to claim 8, the patent to Young et al. discloses a starter head (21) provided with a driver (23), a control lever (the lever near label 24 that extends through housing 11 to driver 23 in Figure 1) in engagement with the driver (23) and a support (16) receiving a control lever (See Figure 1), and in that the ring gear (19) of the gearbox (16) comprises an extension conformed as a male element engaged in a cavity (the extension that touches the lever arm, See Figure 1) in the support (16) receiving a control lever (See Figure 1).

With regards to claim 9, the patent to Young discloses an electric motor (11) having a cylindrical housing (See Figures 1-6) supporting the stator (12) and a rotor (13) coupled to an output shaft (14) for the rotational driving of a starter head (21 and 22) with the interposing of an epicyclic gearbox (16), the said gearbox comprising: - a ring gear (19) having an internally toothed cylindrical annular skirt (inner teeth of gear 19), and a radial flange provided with a hole (26) for coaxial passage of the output shaft (See Figure 3),and - means of axial centering of the said ring gear (19) in a support (See Figure 1 and Examiner's Response to Arguments below), said support (See Figure 1) being in permanent

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contact with the housing (See Figures 1-6), wherein the ring gear (19) of the gearbox (16) has a first abutment face (16 is abut to 19, See Figure 1) situated in a same plane as the connection interface between the support (See Figure 1 and Examiner's Response to Arguments below) and the housing (Figure 1), said plane and said connection interface being perpendicular to the output shaft (See Figure 1). As to the new limitation of "wherein the support (16) and the housing (15) having, respectively, second abutment face (71) and third abutment face (72) defining a connection interface," see rejection in Claim 1.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Fukuzama et al. (US Patent No. 7,284,523) show the current state of the art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KEITH COLEMAN whose telephone number is (571)270-3516. The examiner can normally be reached on 5:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Cronin can be reached on (571)272-4536. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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KAC /K. C./ Examiner, Art Unit 3747

/Stephen K. Cronin/ Supervisory Patent Examiner, Art Unit 3747